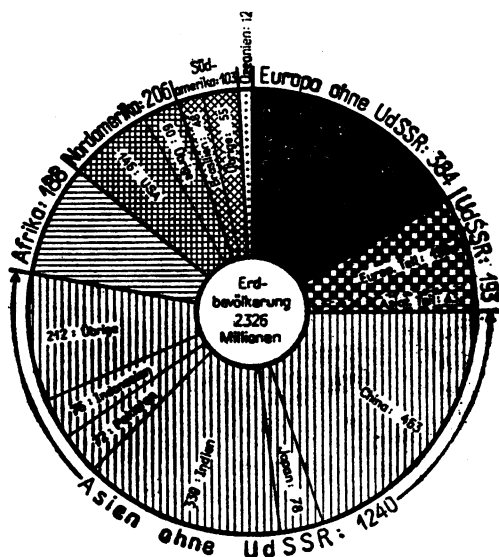


General Osborn's "Eugenic Hypothesis"

ON another page we publish an article by General Osborn with the above title. It has been published in the American equivalent of our Review, the *Eugenical News*, the readers of which have been invited to send written comments to the editor. General Osborn has kindly allowed us to publish the article, and we likewise invite readers to submit their views.

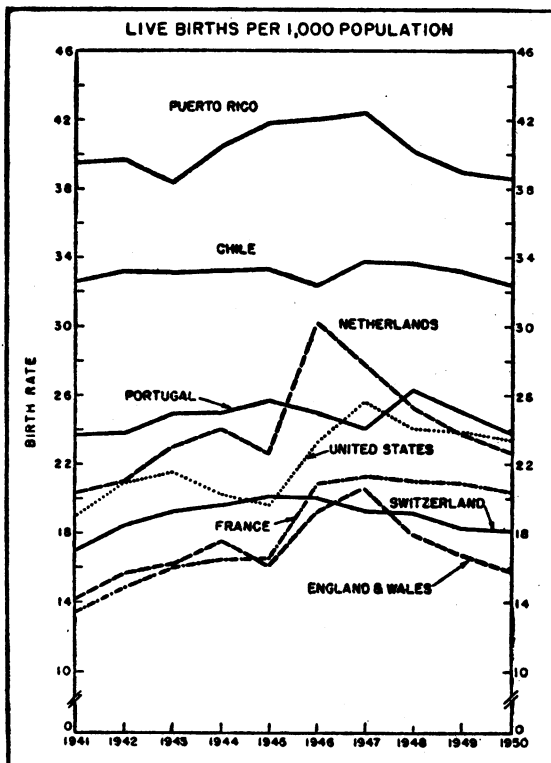


Distribution of the Population of the World.

By courtesy of J. F. Lehmanns Verlag, Munich, publishers of *Bevölkerungsdynamik und Bevölkerungsbilanz*, by Prof. Dr. Friedrich Burgdörfer.

"Population Index"

By courtesy of the editors of *Population Index* we reproduce below the diagram shown on the back page of the October 1951 number of that journal, published by the Office of Population Research, Princeton University, and the Population Association of America Inc.



PHYSIOLOGICAL ZOÖLOGY

Edited by Warder C. Allee, University of Florida

In the January 1952 number:

GROWTH RATE OF THE WHITE RAT IN RELATION TO THE NUMBER PER CAGE. By S. L. RAHBA.

OBSERVATIONS ON HYDRA, WITH SPECIAL REFERENCE TO ABNORMAL FORMS AND BUD FORMATION. By JOSEPH T. CHANG, H. H. HASEH and D. D. LIU.

FURTHER STUDIES ON THE STERILE CULTURE OF *PARAMECIUM*. By WILLIS H. JOHNSON.

COMPARATIVE ECOLOGY AND PHYSIOLOGY OF THE CRAYFISH *ORCONECTES PROPINQUUS* AND *CAMBARUS FODIENS*. By RICHARD V. BOVSEJERG.

MODIFICATIONS IN THE DIURNAL PIGMENTARY RHYTHM OF *UCA* EFFECTED BY CONTINUOUS ILLUMINATION. By FRANK A. BROWN, Jun., and MARGARET N. HINES.

PHYSIOLOGICAL ZOÖLOGY is published quarterly in January, April, July and October. Subscription \$10 per volume. Single copies \$3. Canadian postage 20c. Foreign postage 50c.

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rival religions: it is good to kill unbelievers and infidels. In wartime it is difficult for the best of us not to become, in this sense, fanatics. One of our leading men of letters proclaimed, during the first war, that the only good kind of German was a dead German. This is the fighting soldier's creed and here it did not long survive the armistice of 1918. German idealism is labile and degenerates perhaps more easily than the idealisms of other Western peoples into fanaticism.

The particular tragedy of Germany is that from the ranks of its worst psychopaths and criminals emerged gifted men who were acclaimed as leaders; that these so insidiously flattered and beguiled their unperceiving fellow-countrymen with myths and promises that they were lifted into sovereign power where they promptly established themselves in an iron tyranny;

and that when the enormity of what had been done was later disclosed, it was too late.

One final remark. Some of you may think that, in view of how irrelevant to what we understand as eugenics are the human experiments I have described, the title of my paper is misleading. You may think that I should have referred to "so-called" eugenic experiments. Perhaps I should. But the inexorable fact remains that whatever our own views may be, the word eugenics has, through the events I have described, suffered degradation in the eyes of many people and organizations, including the War Crimes committee which assembled the documents which were sent to me.

It is a pleasure to thank Professor Alexander Kennedy for suggestions which helped me in preparing this paper; also Lord Moran for permission to discuss the material sent to me by his committee.

The American Journal of Human Genetics

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Edited for the AMERICAN SOCIETY OF HUMAN GENETICS by C. W. COTTERMAN, University of California, in collaboration with C. N. HERNDON, M. T. MACKLIN, H. W. NORTON, BRONSON PRICE, N. F. WALKER and A. S. WIENER.

Volume 3

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WAARDENBURG, P. J.: A new syndrome combining developmental anomalies of the eyelids, eyebrows and nose root with pigmentary defects of the iris and head hair and with congenital deafness. (*Dystopia canthi medialis et punctorum lacrimarium lateroverna, Hyperplasia supercilii medialis et radialis nasi, Heterochromia iridum totalis sive partialis, Albinismus circumscriptus pilorum (leucismus, poliosis), et Surditas congenita (surdimutitas).*)

COTTERMAN, C. W.: Some statistical problems posed by Waardenburg's data on *dystopia canthorum* and associated anomalies.

STEINBERG, ARTHUR G., BECKER, S. WILLIAM, Jun., FITZPATRICK, THOMAS B., and KIERLAND, ROBERT R.: A genetic and statistical study of *psoriasis*.

REED, S. C., CAMBIER, R. K., and APPLIN, J. E.: A colour vision anomaly showing holandric (Y-linked) transmission.

REVIEWS AND BIBLIOGRAPHY OF HUMAN GENETICS, 1951, PART I.

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women undergraduates and women delinquents. The two distributions overlap but are strikingly different, students on the whole being of lighter build. Thus it has been possible broadly to confirm in women the findings in somatotype studies of male delinquents reported by Sheldon⁵ and by the Gluecks⁶ in America.

In ending, may I make a plea for wider use of simple records of human constitution? Today infection and bacterial diseases are falling back as constitutional causes take all the leading places in the handicap stakes of mortality. Preventive medicine, following its magnificent achievements in environmental hygiene, is being forced more and more against the wall of constitutional disposition. Who knows but that the door to understanding of the ætiology and prevention of hypertensive disease may not be found among records outlining the path of

changes in human constitution? This is a topic with which I hope to deal on another occasion. In the meantime, let us dream of the day when the *Dictionary of National Biography* will contain, if not a standardized three-view photograph, at least the height, weight and subcutaneous fat measurement for each decade in the life of its subjects!

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- ³ Cureton, T. K. (1947). *Physical fitness appraisal and guidance*. Henry Kimpton, London.
- ⁴ Edwards, D. A. W. (1950). *Clinical Science*, 9, 259.
- ⁵ Sheldon, W. H., Hartl, E. M., and McDermott, E. (1949). *Varieties of Delinquent Youth*. Harper and Bros., New York.
- ⁶ Glueck, S., and Glueck, E. (1950). *Unravelling Juvenile Delinquency*. The Commonwealth Fund, New York.

"ROAD TO HAPPINESS"

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C. WICKSTEED ARMSTRONG

Of this book, just published by Messrs. Watts & Co., London, *M. Dachert*, Founder of the Jardins Ungemacht, the Eugenic Garden City of Strasbourg, says, in a letter to the author:

"... Il y a là des chapitres fascinants. ... Votre autre livre "The Survival of the Unfittest" m'a toujours semblé un des livres les plus importants de notre temps."

Of the latter work, *Dr. Julian Huxley* said: "I believe the underlying thesis is correct, and merits serious attention. ... It is very important that such facts should be forcibly presented to the public."

The Illustrated London News said: "Most of his argument must, I think, be convincing to unprejudiced minds."

The Lancet said: "The author's ideas emerge from a coherent system of social and biological theory, which bespeaks original and vigorous thought."

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evidence of the survival of a palæolithic physical type. To a lesser extent this is also true of the Denbighshire moors. He pointed out that these are the kinds of areas to which earlier arrivals tend to be driven by later invaders. Now in just these three areas Watkin finds very high B ; in the Denbighshire moors nine per cent ; in Plynlimmon twelve ; in the Black Mountain no less than seventeen. This figure of seventeen per cent is an astonishing one ; it is higher than anything yet found in Europe west of Poland. One cannot believe that it is all a coincidence. In these areas the blood-groups point to the survival of something going right back to the Old Stone Age.

Now just a word about the relation of the British Isles to Europe as a whole. Scotland, Ireland and North Wales have the highest O and the lowest A in Europe. If we look for other populations with similar blood-group proportions, as Mourant and Watkin have done, we find them clustered round the Mediterranean : in Sardinia, Crete, parts of Greece and the Greek islands, in one or two places in Italy, and, most striking of all, perhaps, in some of the Berber tribes of North Africa. We are told that some Berbers could easily pass for Scotsmen or Irishmen. There are affinities in language too. The association doubtless goes back to megalithic times—the era of the great stone tombs and of Stonehenge, when there was much coming and going between the Mediterranean and Britain. So there survives round the Continent and in North Africa, on the fringes, something of the peoples who once occupied most of Europe.

I do not want anyone to think that because I have only talked about ABO, the other eight blood-group systems are not going to be useful too. So I will give just one example from abroad. In Negroes there is no less than sixty per cent of a Rhesus gene of a particular kind, whereas no other people not affected by Negro influence has more than three or four. This enables us to estimate the Negro contribution in modern Egypt as rather more than twenty per cent and to follow the steadily increasing proportion of Negro blood as we proceed up the Nile valley.

It is perhaps surprising that the British population today still shows so many differences in spite of all the movements that must have taken place. But no doubt the differences are becoming less clear with every year that passes. So we must hurry up. And now we shall be able to do this. The Nuffield Foundation has just made a grant of fourteen thousand pounds to establish a blood-group centre at the Royal Anthropological Institute. One of the tasks of the new centre will be to map thoroughly the blood-group variations throughout the whole of Britain. The material is there, because eleven or twelve thousand new blood donors are being registered every month by the National Blood Transfusion Service, who have promised their help. So I think we can conclude that what we know now is only the beginning of the story, and that the history in your blood today will enable historians to work out a fuller story of "the Waves of which History is chiefly composed."

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people. It is a matter of keeping clear the normal emotional channels, and of keeping through all the early years a sound balance between the satisfactions provided by children and the satisfactions to be found in other interests. If this can be done, then the conflict between having more children or having more material possessions will probably resolve itself in the majority of cases.

The dangerous effects of the uneven spread of birth control are already recognized. Probably no further proof is needed that this condition should be remedied as rapidly as possible. The almost impossible burden which modern conditions put on the average family if it has more than one or two children are so evident from various recent studies that the effort to lessen the economic burden of larger families should be expected to receive strong public support. There may,

however, be controversy as to proper means of promoting this goal.

Psychological changes to influence the attitudes of parents are less well understood. They will have to be introduced with caution and continuously tested. The idea of training young people in the attitudes and interests which will increase their feeling for children is likely to be generally acceptable. But the relation of this idea to other goals and procedures in education is more complex.

The major aim of eugenics is to increase the proportion of children born with a high hereditary potential for being good and able citizens. The eugenist believes that by acting on the eugenic hypothesis this aim may be attained, and that by the same measure our social heritage of attitudes, beliefs and knowledge will be vastly improved.

POPULATION STUDIES

Edited by D. V. GLASS

Vol. V. No. 3

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March 1952

H. B. M. MURPHY. The Assimilation of Refugee Immigrants in Australia

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appreciated. Yet at the same time social security carries within itself a menace to personal and family responsibility to which we need to be continuously alert. Are we to be, in the end, mere numbered units which the State promises to take under its care, in return for services rendered—including procreation? Or shall we remain still individuals free to choose our destiny, to take risks, to found families and to raise children in a world more amicable and better organized, a world which holds inviolate the autonomy of hearth and home?

Even psychology and psychiatry, which by their discoveries have contributed so much to modern life, and which rightly used can render us such great services, must not be allowed to take the place of parental responsibility in guiding children to make wise choices and responsible decisions. In the past, admittedly, parents exercised too much power in deciding the course of their children's lives. They chose for them their way of life, their work, even their mates.

Yet we would be little better off if, by relinquishing these powers, parents merely found themselves supplanted by an all-powerful corps of school-teachers, doctors, counsellors and psycho-therapists!

In a world of mass movements, of rising and falling empires, of unlimited material power, there is a great need to enhance, and if need be to recover, the dignity of the individual man and woman. Healthy family life can breathe the living soul into the new patterns of human society which are emerging all over the world. If they will give themselves to the full exercise of their responsibilities, the families of today can preserve human values in this impersonal scientific age. And, in a world where the former separations of distance are rapidly being eliminated, the increasing solidarity of good families can generate an humane, kindly, community spirit, and thus lay the foundations of that durable peace the true value and urgent importance of which all home-lovers understand so well.

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Annals of Eugenics

A Journal of Human Genetics

Edited by L. S. PENROSE

Vol. XVI. Part 4. May 1952

Further data on genetics of microcythaemia or thalassaemia minor and Cooley's disease or thalassaemia major.—I. BIANCO, G. MONTALENTI, E. SILVESTRONI, M. SINISCALCO.

Body weight at different ages and heights.—W. F. KEMSLEY.

Blood groups in Jews from the Yemen.—A. BRZEZINSKI, J. GUREVITCH, D. HERMONI, G. MUNDEL.

A statistical study of human twinning.—NORMA McARTHUR.

Blood agglutinogens of the Mexicans.—C. ARTEAGA, M. S. MALLÉN, A. V. BROZCO, ELENA L. UGALDO.

Simple tests for bimodality and bitangentiality.—J. B. S. HALDANE.

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Stubbs, S. G. Blaxland. *From Magic to Modern Medicine.* Thrift Books, No. 14. London, 1952. Watts. Pp. 94. Price 1s.

Elections to the Society

THE undermentioned have been elected Fellows (starred) and Members of the Society during the past quarter:

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instead of being allowed to remain a valuable therapeutic instrument in the hands of the medical profession, became a topic of general interest to be discussed, debated and argued about in the pubs of Chelsea and Bloomsbury, the night-clubs and restaurants of Mayfair, as well as in the cosy drawing-rooms of the outer suburbs. The layman, no matter the degree of his ignorance, feels himself entitled to express an opinion on it; and more often than not he expresses it with that combination of violence and prejudice which he reserves for any innovation that appears to threaten his security, or wound his "amour - propre" or violate his "accepted" canons of taste—whether it is the paintings of Picasso, the sculptures of Epstein, or the supposed ramifications of the Œdipus-complex. The main result has been to pile misunderstanding upon misunderstanding; to make hundreds of thousands of perfectly sane and sensible people "neurosis-conscious"; and to prevent numbers of others from finding, in the hands of a competent psycho-analyst, the only solution to the many problems and perplexities of their lives.

Dr. Graham Howe has now collected together in a single volume a series of articles in which he attempted to popularize still further the teachings and tenets of psycho-analysis; and as these articles originally appeared in *Picture Post*, we may assume that the Lancashire mill-workers and the

coal-miners of Durham, as well as the Bloomsbury intellectuals and the Mayfair "smart set," are now busy analysing their dreams, discussing the psychological factor in disease and pondering their morbid dread of closed spaces.

It is not that there is anything to object to in Dr. Howe's observations on these subjects except that they are over-simplified to the point of childishness; it is that one is, all the time, conscious that he is "putting on an act," writing down to his low-brow audience, and at the same time playing the role of the benign, all-wise doctor-psychiatrist. Even the chapter headings are faintly nauseating: "Boy Who Wouldn't Grow Up"; "Why Are Fathers Out of Fashion?"; "Mother v. Wife: The Conflict"; "You Ought to Be Ashamed." And so on.

Mr. Tom Hopkinson, a former editor of *Picture Post*, contributes a preface in which he discusses the "split" in modern man, a "split" which, he claims, like a ravine through a great mountainside, runs through all our lives—through the individual soul no less than through the affairs of nations. He presents here an interesting side-light on his times, but the subject has been discussed with considerably more insight and brilliance in that remarkable and recently-published book—Laurens van der Post's *Venture to the Interior*.

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original papers on an adequate scale by groups of students is pretty well impossible. For this reason it is greatly to be welcomed that Dr. Lederberg has provided for his students, as supplementary reading to a course on bacterial genetics, a fascimile reprint of twenty key papers; an introduction and additional list of references puts these papers in their proper perspective. It is to be hoped that this example may soon be followed for other specialized fields of genetics where there is the same need. H. GRÜNEBERG.

Smith, M. B. *The Single Woman of Today.* London, 1951. Watts. Pp. xiv + 130. Price 6s.

THE avowed purpose of this book is "to arouse public understanding to take some of the sting out of the terms 'spinster' and 'old maid,' and to point a finger in the direction where lie alleviating and socially acceptable compensations." Both hard facts and moving case histories can alter opinions and Miss Smith uses them in bewildering juxtaposition as she races through the conditioning of women by various civilizations to the Freudian analysis of a girl's development and on to the Protestant view of celibacy and the value of marriage bureaux.

The factually minded will be disconcerted by the presentation of statistics and will look in vain for clear references and the usual one chapter, one topic discipline. In the sex-ratio section, it is difficult at times to know whether this country or the U.S.A. is under discussion and surely it would have been relevant and encouraging to alleviate the

despairing note of the book, by quoting the Population Commission's conclusion that "at the reproductive ages the present small excess of women may give way to a small excess of men."

To reach emotional maturity, the single woman has to overcome not only the frustration of her normal sexual and maternal instincts but also society's subtle disapproval of her unmarried state. In the author's view, psychoanalysis may help the few but her main hope is from a change in social attitude to the spinster. Why, then, antagonize her readers by phrases like "a certain degeneracy in man's choice of a mate" and "it is a major tragedy of our time that the desirable woman is often consigned to the ranks of the surplus, whilst the inferior woman is chosen in marriage"?

After hinting at desirable fundamental changes in marriage customs without facing their implications, the author dismisses as unsatisfactory, both emotionally and socially, homosexuality and extra-marital relations and concludes that the least inadequate forms of sublimation are in wide interests and jobs which allow for the play of a woman's emotional nature.

When Miss Smith writes "a woman should be valued for what she is as a woman, whether she be married or single," she appeals directly to each of us to treat each other as individual personalities, and to disregard all labels which classify us into groups and categories. Had the book been imbued with this spirit throughout, it could have linked the single woman's problems with those common to us all, instead of isolating her still further.

RACHEL CONRAD.

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in the home, but parents are often not sufficiently informed themselves, and suitable literature is lacking. They could be best helped in the future by a supply of these books, intended for children as well as adults.

The future aim of instruction for family life in schools should be to integrate it with such subjects as hygiene, biology, natural science and religion, adapted according to age. Universities, Trade Schools and Teachers Training Courses could have similar instruction and lectures could be provided

for adult civic education and in connection with other adult organizations. This system would then link up with the service to people about to marry and to married couples—thus building up a complete system of education for family life.

The work is just starting in Finland, and by comparing notes with other countries it is hoped that a programme of family life education will be developed that profits by the experience of other countries and yet is adapted to the life of Finland.

J. R. R.

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